

Table 6. Concentrations of PTW Defined as “Highly Toxic”

Contaminant	Highly Toxic PTW Threshold ($\mu\text{g}/\text{kg}$) (10^{-3} risk)
PCBs	200
2,3,7,8-TCDD	0.01
2,3,7,8-TCDF	0.6
1,2,3,7,8-PeCDD	0.01
2,3,4,7,8-PeCDF	0.2
1,2,3,4,7,8-HxCDF	0.04 0.4
DDx	7,050
cPAHs (BaP eq)	106,000

Abbreviations:

cPAH (BaP eq) – carcinogenic PAHs (benzo(a)pyrene equivalent)
DDx – dichlorodiphenyldichloroethane + dichlorodiphenyldichloroethene + dichlorodiphenyltrichloroethane
HxCDF – hexachlorodibenzofuran
PAH – polycyclic aromatic hydrocarbon
PCB – polychlorinated biphenyl
PeCDD – pentachlorodibenzo-p-dioxin
PeCDF – pentachlorodibenzofuran
PTW – principal threat waste
TCDD – tetrachlorodibenzo-p-dioxin
TCDF – tetrachlorodibenzofuran
 $\mu\text{g}/\text{kg}$ – microgram per kilogram

Table 21. Sediment RALs and PTW Thresholds for Selected Remedy

Contaminants	Site Wide RALs⁽¹⁾ (µg/kg)	PTW Thresholds⁽²⁾ (µg/kg)	Navigation Channel RALs (µg/kg)
Focused COCs			
PCBs	75	200	1,000
Total PAHs	13,000	NA	170,000
2,3,7,8-TCDD	0.0006	0.01	0.002
1,2,3,7,8-PeCDD	0.0008	0.01	0.003
2,3,4,7,8-PeCDF	0.2	0.2	1
DDx	160	7,050	650
Additional Contaminants			
2,3,7,8-TCDF	NA	0.6	NA
1,2,3,4,7,8-HxCDF	NA	0.04 0.4	NA
cPAHs (BaP Eq)	NA	106,000	NA
Chlorobenzene	NA	>320	NA
Naphthalene	NA	>140,000	NA

Notes:

1 – Site wide includes all areas of the Site except the navigation channel. FMD areas are subject to these RALs.

2 – PTW thresholds are based on highly toxic PTW values (10^{-3} risk) except chlorobenzene and naphthalene, which are threshold values for not reliably contained PTW.

Abbreviations:

BaP Eq – benzo(a)pyrene equivalent

cPAH –carcinogenic polycyclic aromatic hydrocarbon

COC – Contaminant of concern

DDx – dichlorodiphenyldichloroethane + dichlorodiphenyldichloroethene + dichlorodiphenyltrichloroethane

FMD – future maintenance dredge

HxCDF - hexachlorodibenzofuran

NA – not applicable

PAH – polycyclic aromatic hydrocarbon

PCB – polychlorinated biphenyl

PeCDD – pentachlorodibenzo-p-dioxin

PeCDF – pentachlorodibenzofuran

PTW – principal threat waste

RAL – remedial action level

TCDD – tetrachlorodibenzo-p-dioxin

TCDF – tetrachlorodibenzofuran

µg/kg – microgram per kilogram

> – greater than